

## Accessions to the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki, in 2008

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The herbarium accessions amount to 19,139 specimens, including 5,238 phanerogams and pteridophytes, 2,598 specimens of bryophytes and algae, and 11,303 specimens of fungi (incl. lichens). Some details of noteworthy accessions are given here.

The accessions comprise 19,139 specimens incorporated in the Botanical Museum of the Finnish Museum of Natural History, University of Helsinki (acronym H) in 2008 (5,238 specimens in the Phanerogams Division, 2,598 specimens in the Cryptogams Division and 11,303 specimens in the Mycology Division). The material has been received from the staff of the Museum and of other institutes, and as donations from private persons, or their reliquia (marked “reliq.”). The Botanical Museum offers the sincerest thanks to all donors. A considerable number of specimens has been obtained by exchange (“e”). Some material has been purchased.

In 2008 numerous specimens derive from polypore inventories in Finnish and Karelian old-growth forests performed by Finnish Forest Research Institute (METLA) and Finnish Environment Institute (SYKE). Prof. Aino Henssen, Marburg, Germany, has donated her extensive private herbarium (ca. 40,000 specimens, mainly lichenized fungi, some non-lichenized fungi and bryophytes) to H, and a considerable part of it has already been transported to Helsinki. For the time being, the lichenized fungi are kept separate.

The total number of specimens in the systematic collections of H at the end of 2008 was 3,177,140; 1,662,563 of them are phanerogams, 90,561 pteridophytes, 2,311 zooecidia, 602,066 bryophytes, 21,929 algae, 403,865 lichenized fungi and 393,845 non-lichenized fungi (including bacteria and viruses).

Some details of the most noteworthy acces-

sions are given below. The italicised abbreviations *Al, Ab, N*, etc. in the lists refer to the biogeographic provinces of East Fennoscandia (map in Uotila et al., *Memoranda Soc. Fauna Flora Fennica* 77:14. 2001) and *Ög, Upl, Tr, VFi* etc. to the biogeographic provinces of Sweden and Norway (map in the back cover of Jonsell, B., ed., *Flora Nordica*. 2000–).

Abbreviations in capital letters used for the herbaria are according to Index Herbariorum, I: The Herbaria of the World (<http://sciweb.nybg.org/science2/IndexHerbariorum.asp>).

Among the accessions the various systematic groups are represented as follows:

	East Fenno- scandian Herbaria	General Herbaria	Total
<b>Phanerogams Division</b>			
Pteridophytes	20	36	56
Spermatophytes	2,479	2,703	5,182
<b>Cryptogams Division</b>			
Bryophytes	590	1,979	2,569
Algae	29	0	29
<b>Mycology Division</b>			
Lichenized Fungi	2,961	994	3,955
Non-lichenized Fungi	5,567	1,781	7,348
<b>Total</b>	<b>11,646</b>	<b>7,493</b>	<b>19,139</b>

## Phanerogams Division

### East Fennoscandian Herbarium

64, mainly Russia (*Ka*); Ahti, T. – 72, *Ta*; Alén, H. – 41; Haikonen, V. – 1293, Finland (920), Russia (373); Helsinki, HSI. – 51; Klingstedt, F. W. (reliq.). – 70, *Ab, N, St, Ta, Kn, Ks*; Pogreboff, S. – 43, *Ta*; Ranta, Y. – 242, *Al, N, Ka, Ta, Sa, Sb, Kb*; Räsänen, J. – 44, Russia (*KI*); Saarinen, E. & H. – 69, *Al, N, Tb, Sb, Kb, Ks, Li*; Sonck, C.-E. (reliq.). – 72, mainly *St*; Suominen, J. – 192, mainly Russia (*Ka, Kon, Kton*); Uotila, P.

Smaller numbers of specimens have been received from: Alanko, P.; Helsinki, Alppilan yläaste; Eini, P.; Hakila, R.; Hamari, R.; Harjunen, E.; Havia, P.; Kalliola, R. (reliq.); Keinänen, P.; Kettunen, T.; Kotanen, E.; Kuopio, North Savo Regional Environment Centre; Lahtonen, T.; Linja-aho, H. (reliq.); Moisio, R. (reliq.); Niinimäki, H.; Niironen, M.; Parnela, A.; Piirainen, M.; Priia, A.; Rintanen, T.; Ristiluoma, S.; Rovaniemi, Lapland Regional Environment Centre; Ryttylä, T.; Saarenoksa, R.; Sältin, H. (reliq.); Siljamäki, M.; Sinkko, H.; Skarén, U.; Stenström, Å.; Valta, M.; Valtonen, P.; Vannasvu, M.

### General Herbarium

61, mainly Russia (Sakha Rep.); Ahti, T. – 201, United States (Texas, New Mexico); College Station, TAES (e). – 146, mainly United States (South Carolina); Columbia, USCH (e). – 331, mainly Afghanistan, India, Iran, Pakistan; Finnish Botanical Expedition to West-Central Asia 1972 (Korhonen, M., Kukkonen, I., Uotila, P.). – 44, Australia (Tasmania); Hobart, HO (e). 173, mainly Germany, Switzerland, Italy, France, incl. Gottschlich: *Hieracia Europaea Selecta 2: 51–100*; Gottschlich, G. – 416, mainly Sweden, Germany, Norway, Russia (Europe), Estonia, Poland; Helsinki, HSI. – 503, mainly Switzerland, Austria, Italy, Ireland, Spain (Canary Islands); Juva, M. (reliq.). – 224, Spain (Canary Islands), Norway; Kämäräinen, H. – 170, *Hieracium*, Sweden (*Vrm, Vsm, Srm, Sm, Ög, Vg, Nrk*); Lund, LD. – 251, *Taraxacum*, Albania, Sweden, Hungary, United States, Estonia, Greece, Spain; Sonck, C.-E. (reliq.). – 61, Norway, Sweden; Sältin, H. (reliq.). – 49, Poland, Koziol & Charytonowicz: *Flora Silesiaca Exs. 67–68: 1401–1450*; Wrocław, WRSL (e).

Smaller numbers of specimens have been received from: Alanko, P.; Guangzhou, IBSC; Häkkinen, M.; Helsinki, Alppilan yläaste; Hyvärinen, A.; Kew, K (e); Lappi, E.; Linja-aho, H. (reliq.); Moisio, R. (reliq.); Räsänen, J.; Rutanen, K.; Ruuhijärvi, R.; Seppälä, M.; Soest, J. L. von (reliq.); Uotila, P.; Väre, H.; Wien, W (e).

## Cryptogams Division

### East Fennoscandian Herbarium

*Bryophytes*. – 72, mainly *Ta, Sa, Ka, N*; Haikonen, V. – 90, *Ab, N, Ta, Ks, Lkk*; Koponen, T. – 328, *Al, Ab, N, Ta, Kb*; Pykälä, J.

Smaller numbers of specimens have been received from: Ahti, T.; Damsholt, K.; Eklund, O. (reliq.); Enroth, J.; Hæggeström, C.-A.; Haikonen, V.; Lindholm, T.; Pankakoski, A. (reliq.); Parnela, A.; Piippo, S.; Pogreboff, S.; Puhakainen, L.

*Algae*. – Smaller numbers of specimens have been received from: Ahti, T.; Alanko, P.; Haikonen, V.; Henricson, C.; Pihlajaniemi, L.; Sinkko, H.

### General Herbarium

*Bryophytes*. – 93, mainly United States (Michigan); Ann Arbor, MICH (e). – 130, United States (California), China (Yunnan), Canada (British Columbia, Ontario); Berkeley, UC (mostly e). – 96, China (Yunnan), Nepal, India (Sikkim, Uttaranchal), Bhutan; Edinburgh, E. – 40, mainly Japan, Deguchi & Yamaguchi: *Bryophytes of Asia 14: 326–350* and Higuchi: *Bryophyta Selecta Exs. 29: 1201–1225*; Hiroshima, HIRO (e). – 332, Russia (Bashkortostan); Kalinauskaite, N. – 648, mainly China (Hunan), Papua New Guinea (Morobe Prov.); Koponen, T. – 204, South Africa; Pretoria, PRE (e). – 55, China (Hunan); Rao, P.-C. – 109, China (Yunnan), United States; Shevock, J.

Smaller numbers of specimens have been received from: Ahti, T.; Durham, DUKE (e); Enroth, J.; Fuentes, E.; Haikonen, V.; Miehe, G.; Mikkola, K.; Piippo, S.; Saint Louis, MO (e); Stockholm, S (e); Trondheim, TRH; Washington, US (e); Virtanen, V.

## Mycology Division

### East Fennoscandian Herbarium

*Lichenized fungi*. – 367, mainly *N, Ta, Sa, Sb, Ka, Lks*; Haikonen, V. – 77, *N, Ta, Sa, Sb*; Pogreboff, S. – 2337, *Ab, N*; Pykälä, J. – 66, mainly *Ta, N*; Väre, H.

Smaller numbers of specimens have been received from: Ahti, T.; Alanko, P.; Helsinki, HSI; Murto, R.; Petrozavodsk, PTZ; Rintanen, T.; Savicz, V. P. (reliq.); Soini, R.; St. Petersburg, LECB; Tichomirova, I.

*Non-lichenized Fungi*. – 171, *Ab, N, Sa, Le*; Alanko, P. – 332, *St, Ta, Tb, Kb*; Eriksson, I. – 249, *N, St, Ta, Sa*; Haikonen, V. – 60, *Sb, Le, Li*; Henssen, A. – 180, *St, Ta, Tb, Kb*; Hottola, J. – 92, *Ab, St, Ta, Kb*; Ikonen, M. – 66; Korhonen, M. – 141, mainly *Ab, N, Ta*; Kotiranta, H. – 1044, *St, Ta, Tb, Obu, Li*; Kuitunen, T. – 152; Kytövuori, I. – 207, *Ab, N, St*,

*Ta, Sa, Tb, Kb*; Manninen, O. – 498, *Ab, N, St, Ta, Sb, Tb, Kb, Ok*; Miettinen, O. – 239; Niemelä, T. – 55, Russia (*Ik*); Ohenoja, E. – 79, *Ab, N, St, Ta, Tb*; Oksanen, M. – 139, mainly *Ab, Ta, Kb*; Penttilä, R. – 81, *St, Ta, Kb*; Rämä, T. – 360, *Ab, N, St, Ta, Sa, Kl*; Salo, P. – 252; Schigel, D. – 53, *Ta, Lks*; Söderholm, U. – 267, *Ab*; Tuovila, H. – 153, *St, Ta, Tb, Kb*; Wikholm, M.

Smaller numbers of specimens have been received from: Ahlroth, P.; Ahti, T.; Ala-Risku, R.; Alava, R.; Anttila, S.; Autio, A.; Bonsdorff, T. von; Emmett, E. E.; Erkkilä, R.; Fagerström, L. (reliq.); Hallman, J.; Halme, P.; Hammar, L.; Härkönen, M.; Heinola, H.; Heinonen, P.; Helo, T.; Hertteli, P.; Hietala, K.; Hintikka, V.; Höijer, P.; Jakovlev, J.; Järvinen, M.; Junninen, K.; Kaaro, J.; Kaivos, M.; Kajander, L.; Kamula, M.; Katajamäki, M.; Kekki, T.; Kekäläinen, M.; Kiena, S.; Kinnunen, J.; Kontula, T.; Koskinen, A.; Kosonen, L.; Kotkova, V.; Kuisma, H.; Kujala, V. (reliq.); Kujju, M.; Kunttu, P.; Kurkela, T.; Kvist, G. (reliq.); Kytömäki, J.; Laaksamo, J.; Laaksonen, T.; Lahti, H.; Lahti, M.; Laine, L.; Leinonen, M.; Lempinen, K.; Lindgren, M.; Määttä, K.; Mattila, J.; Murdoch, H.; Niemi, M. E.; Niskanen, T.; Nissinen, J.; Nyberg, H.; Nygård, R.; Ojala, M. & B.-M.; Oslo, O (e); Oulu, OULU (e); Paajanen, L.; Paalamo, P.; Packalén, A.; Palmgren, J.; Pennanen, J.; Penttinen, J.; Piispala, E.; Pippola, E.; Pokkinen, A.; Puikko, M.; Pulkkinen, M.; Puustinen, M.; Pykälä, J.; Renvall, P.; Rinne, N.; Rintanen, T.; Romakkaniemi, P.; Saarenoksa, R.; Saari, V.; Saarimäki, T.; Salmi, J.; Salminen, A.; Salonen, V.; Savola, K.; Seppälä, M.; Simberg, J.; Söderman, K.; Stjernberg, M.; Tahvonen, T.; Takala, K. (reliq.); Tamminen, R.; Turku, TUR; Ulvinen, T.; Uotila, P.; Vaartio, K. (reliq.); Valovirta, I.; Vanhanen, S.; Väre, H.; Vauras, J.; Vehmaa, P.; Velmala, S.; Vuorinen, I.; Ylinen, H.

## General Herbarium

*Lichenized fungi*. – 137, mainly Canada, Russia (Sakha Rep.), Argentina, Norway; Ahti, T. – 119, mainly Canada, United States, incl. Lendemmer: Lichens of Eastern North America Exs. 6: 251–300; Bronx, NY (e). – 53, mainly United States (Alaska); Derr, C. – 20, Obermayer: Lichenotheca Graecensis 16: 301–320; Graz, GZU (e). – 165, Russia (Belgorod Region, Kursk Region); Konoreva, L. – 25, Turkey: Lichenes Anatolici Exs. 8: 176–200; München, M (e).

– 25, mainly United States (Colorado), Anderson & Shushan: Lichens of Western North America 5: 101–125; Provo, BRY (e). – 118, mainly Russia (Kamchatka, St. Petersburg); St. Petersburg, LECB. – 57, United States (Alaska, Aleutian Islands, Adak Island); Talbot, S. S. & Schofield, W. B. – 25, mainly Japan (Honshu), Taiwan, Kashiwadani: Lich. Minus Cogniti Exs. 15: 351–375; Tsukuba, TNS (e).

Smaller numbers of specimens have been received from: Alanko, P.; Bakalin, V.; Beck, A.; Cambridge, FH; Copenhagen, C (e); Dillmar, K.; Gagarine, L.; Garibotti, I.; Geneve, G (e); Haikonen, V.; Henssen, A.; Kalinauskaite, N.; Koponen, T. et al.; Lendemmer, J. C.; Litterski, B.; Masson, D.; McCune, B.; Olday, F.; Pajunen, A.; Paukova, A.; Promis, A.; Richardson, D. H. S.; Riddell, J.; Riverside, UCR; Rosentreter, R.; Stockholm, S (e); Uppsala, UPS (e); Urbanavichus, G; van den Boom, P.

*Non-lichenized Fungi*. – 336, mainly Canada (Ontario), United States, Germany (Hessen), Sweden (*Nb*); Henssen, A. – 162, Estonia, Russia (Asia); Kotiranta, H. – 263, mainly Norway, Sweden; Kytövuori, I. – 282, mainly Sweden, China, Germany; Miettinen, O. – 190, Canada; Ohenoja, E. & M. – 213, mainly Russia (Europe), Ukraine, Denmark, Poland; Schigel, D. – 52, Russia (mainly Europe); Spirin, W.

Smaller numbers of specimens have been received from: Ahonen, I.; Ahti, T.; Berglund, H.; Bresinsky, A.; Canberra, CANB; Dahl, T.; Dai, Y. C.; Daun, R.; Derr, C.; Dogan, H. H.; Edman, G.; Edman, M.; Engel, H.; Grosdahl, A.; Haikonen, V.; Høeg, O.; Hoflon, T.; Iversen, M.; Jaederfelt, K.; Jahn, H.; Kinnunen, J.; Klepland, J. T.; Korhonen, M.; Kuitunen, T.; Kukkonen, I.; Marstad, P.; Niemelä, T.; Nordin, I.; Norstedt, G.; Ostrow, H.; Paltto, H.; Parmasto, E.; Pekanpalo, R.; Pennanen, J.; Penttilä, R.; Pichler, H.; Rinde, H. D.; Riverside, UCR; Rivoire, B.; Ryman, S.; Ryvarden, L.; Schönhar, S.; St. Petersburg, LECB; Talbot, S. S.; Toresson, H.-G.; Tortič, M.; Turku, TUR; Uotila, P.; Zavadovskiy, P.G.

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The main collection areas of the material received in 2008:

	Spermato- phyta	Pterido- phyta	Bryo- phyta	Algae	Lichenized Fungi	Other Fungi	Total
Finland	1,814	14	560	28	2,952	5,502	10,870
China	5	–	980	–	7	109	1,101
United States	368	11	232	–	238	146	995
Russia (Europe)	63	–	332	–	264	212	871
Russia (East Fennoscandia)	665	6	30	1	9	65	776
Sweden	434	–	5	–	4	279	722
Canada	–	–	8	–	133	352	493
Norway	104	–	5	–	20	234	363
Switzerland	263	–	–	–	7	21	291
Spain (Canary Islands)	214	13	–	–	17	–	244
Russia (Asia)	38	2	3	–	106	75	224
South Africa	–	–	204	–	–	–	204
Estonia	47	–	–	–	7	145	199
Germany	98	1	–	–	2	70	171
Italy	136	4	10	–	8	–	158
Austria	113	–	–	–	15	12	140
India	128	–	6	–	–	1	135
France	30	–	33	–	25	18	106
Argentina	–	–	21	–	61	–	82
Pakistan	77	–	–	–	–	1	78
Poland	61	1	1	–	–	12	75
Greece	69	–	–	–	3	–	72
Iran	61	–	–	–	1	3	65
Afghanistan	63	–	–	–	–	–	63
Finland (cultivated)	56	–	–	–	–	–	56
Japan	–	–	40	–	7	9	56
Australia	43	1	–	–	1	7	52
Turkey	7	–	12	–	25	4	48
Ireland	38	3	–	–	–	–	41
Denmark (excl. Faroes and Greenland)	11	–	–	–	–	27	38
Albania	32	–	–	–	–	–	32
Papua New Guinea	–	–	27	–	1	–	28
Hungary	26	–	–	–	–	–	26
Ukraine	3	–	–	–	1	21	25
Chile	5	–	16	–	3	–	24
Netherlands	19	–	–	–	1	1	21
Spain (excl. Canary Islands)	14	–	–	–	–	6	20
Other countries	77	–	44	–	37	16	174
Total	5,182	56	2,569	29	3,955	7,348	19,139